

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
 Data File : VX046819.D
 Acq On : 23 Jun 2025 14:50
 Operator : JC/MD
 Sample : Q2371-04 40X
 Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RPY42025

Quant Time: Jun 24 04:08:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

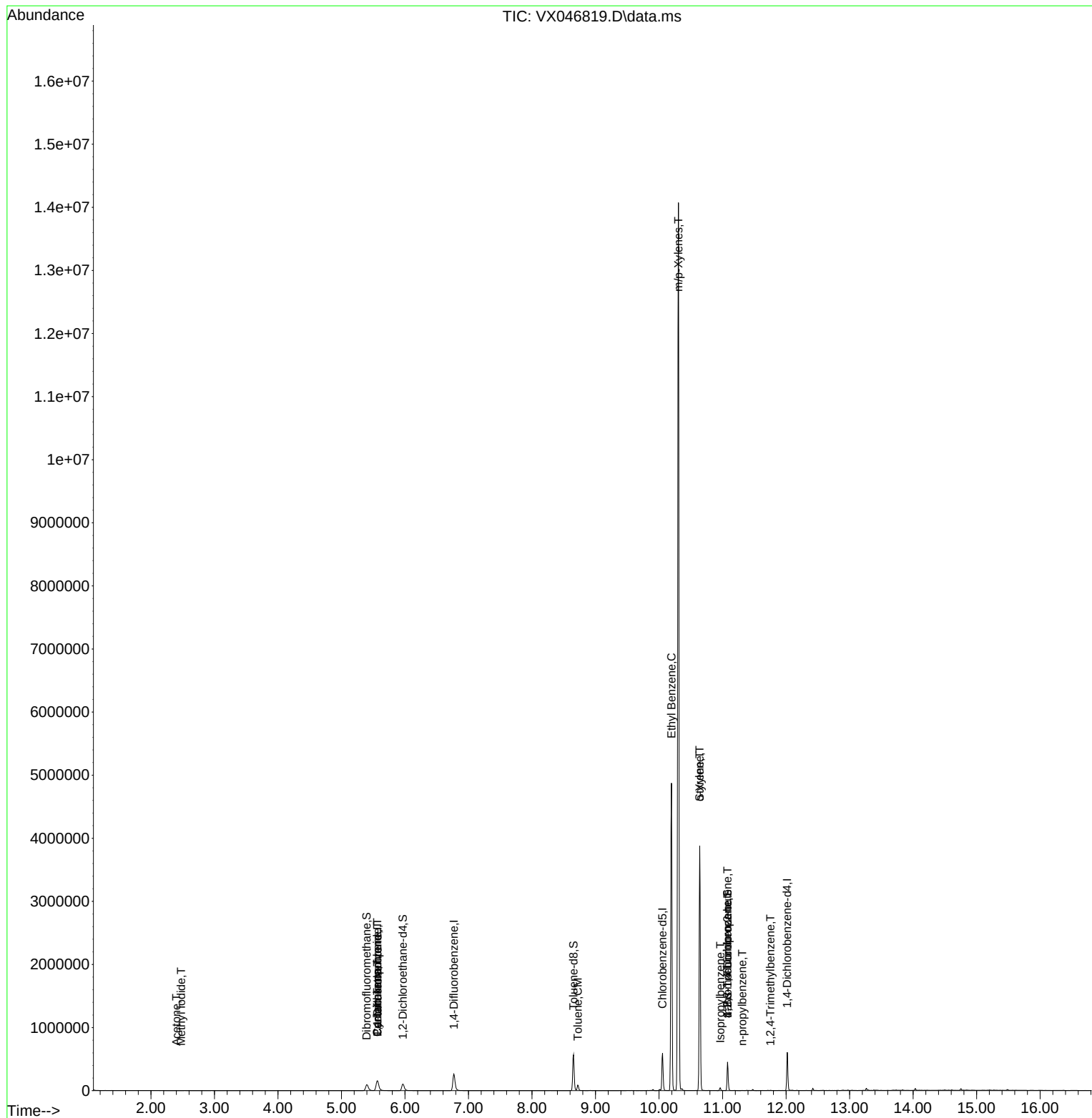
Internal Standards						
1) Pentafluorobenzene	5.568	168	167072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	289861	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	122450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	111095	48.074	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.140%
35) Dibromofluoromethane	5.397	113	92683	48.327	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.660%
50) Toluene-d8	8.653	98	347237	50.395	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.800%
62) 4-Bromofluorobenzene	11.079	95	119578	46.557	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.120%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.477	142	300	4.448	ug/l #	56
16) Acetone	2.398	43	276	0.358	ug/l #	44
31) Cyclohexane	5.562	56	3374	0.975	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	12760	4.609	ug/l #	50
38) Carbon Tetrachloride	5.562	117	16519	5.498	ug/l #	17
52) Toluene	8.720	92	35818	7.052	ug/l	99
67) Ethyl Benzene	10.195	91	2837603	274.306	ug/l	98
68) m/p-Xylenes	10.305	106	3312872	859.479	ug/l	95
69) o-Xylene	10.640	106	815299	225.698	ug/l	98
70) Styrene	10.640	104	39574	6.260	ug/l #	1
73) Isopropylbenzene	10.964	105	24508	2.718	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	59866	26.694	ug/l #	40
78) n-propylbenzene	11.311	91	2512	0.235	ug/l	85
81) trans-1,4-Dichloro-2-b...	11.079	75	59866	75.452	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.756	105	2416	0.324	ug/l	99

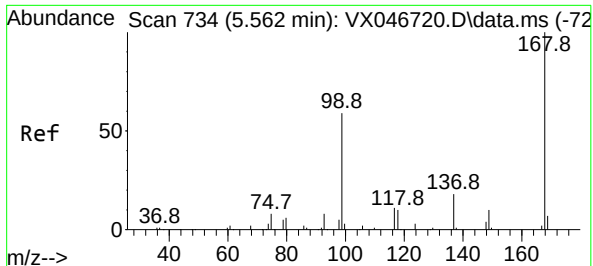
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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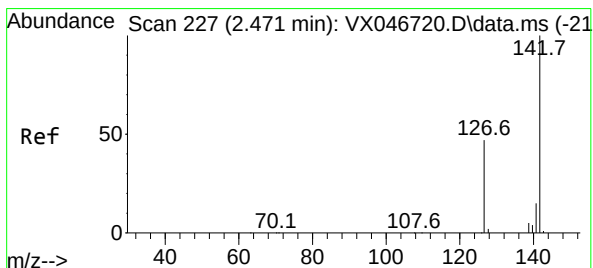
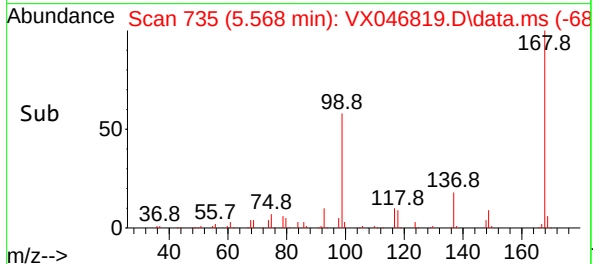
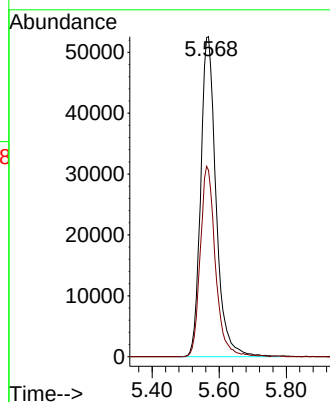
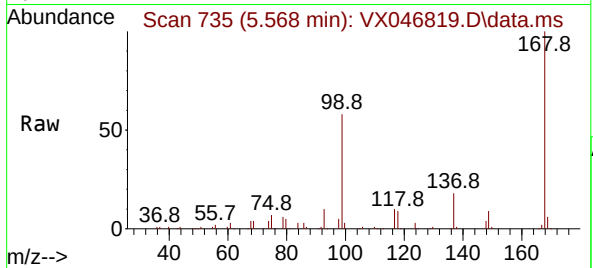




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

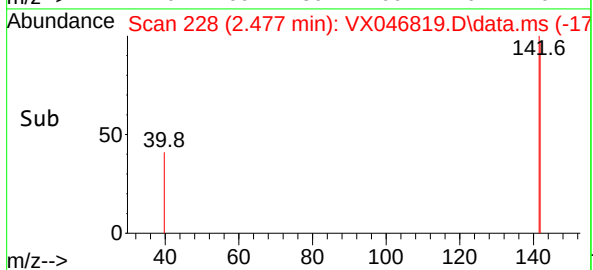
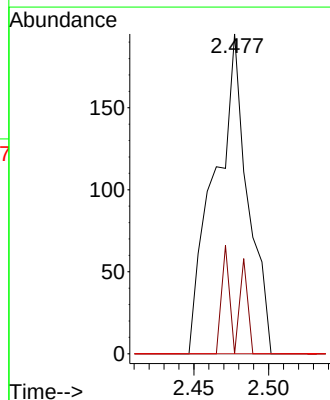
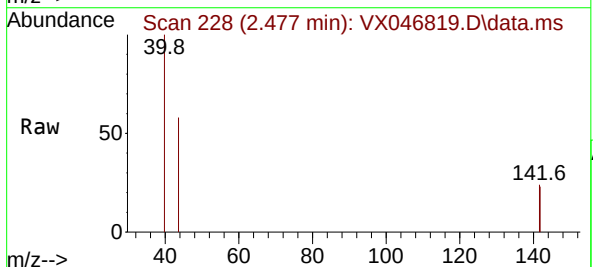
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

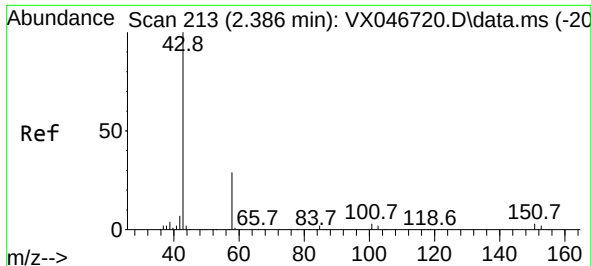
Tgt Ion:168 Resp: 167072
Ion Ratio Lower Upper
168 100
99 58.3 48.5 72.7



#10
Methyl Iodide
Concen: 4.448 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion:142 Resp: 300
Ion Ratio Lower Upper
142 100
127 15.0 37.0 55.6#
141 0.0 11.5 17.3#

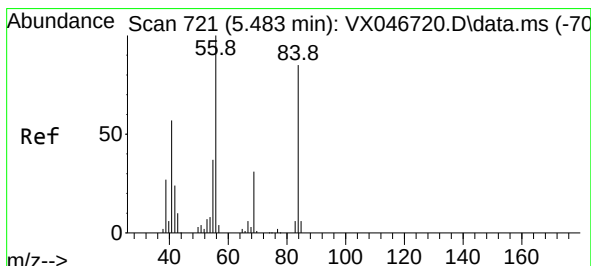
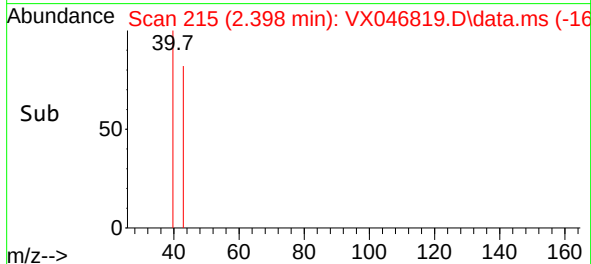
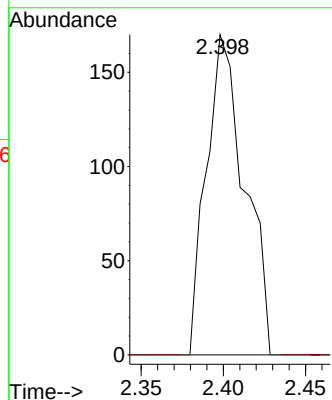
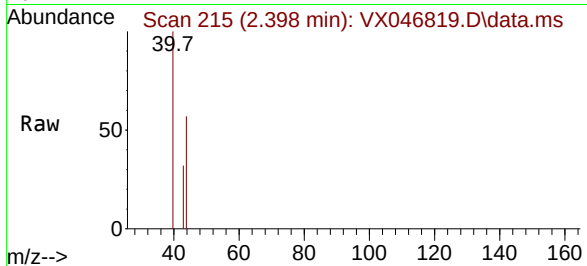




#16
Acetone
Concen: 0.358 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

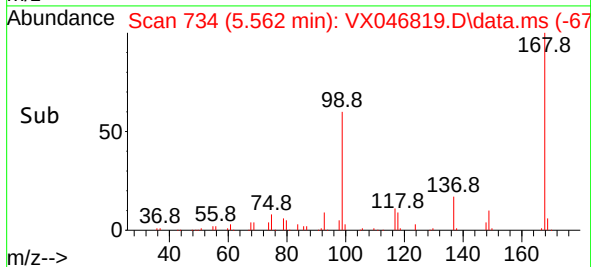
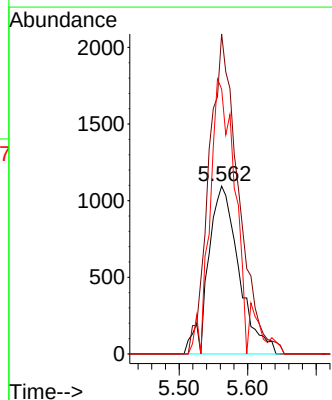
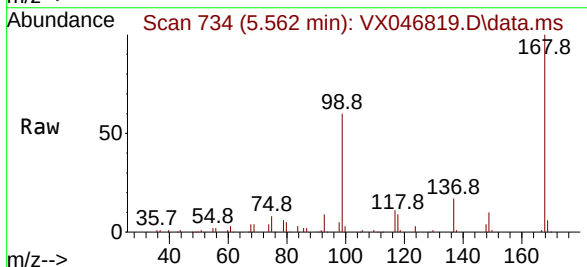
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

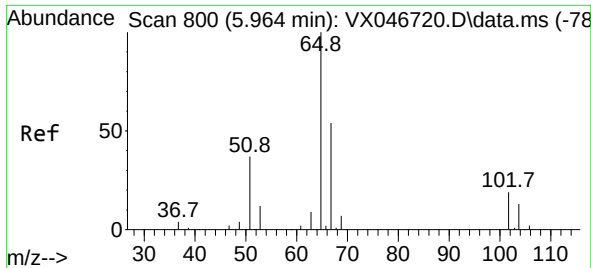
Tgt Ion: 43 Resp: 276
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



#31
Cyclohexane
Concen: 0.975 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion: 56 Resp: 3374
Ion Ratio Lower Upper
56 100
69 190.7 24.8 37.2#
84 157.8 68.2 102.2#

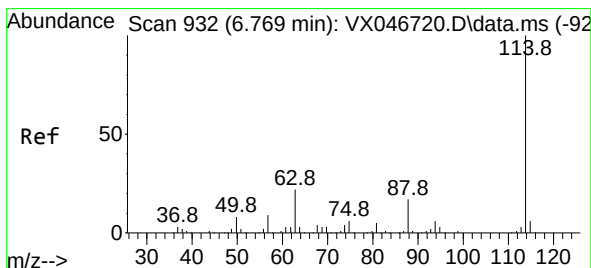
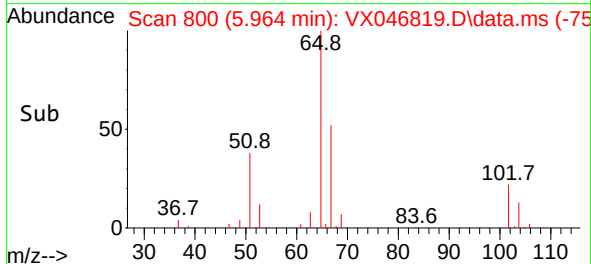
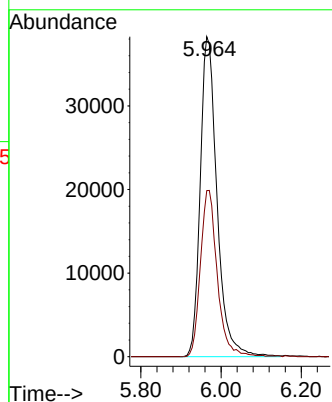
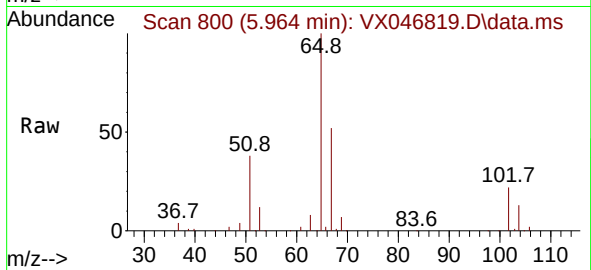




#33
 1,2-Dichloroethane-d4
 Concen: 48.074 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: VX046819.D
 Acq: 23 Jun 2025 14:50

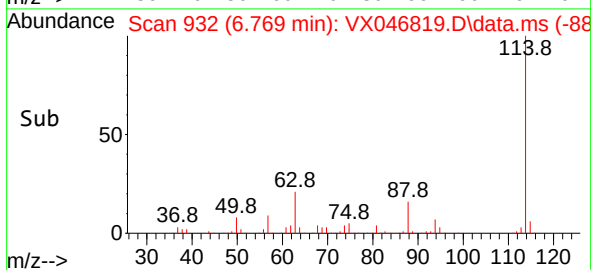
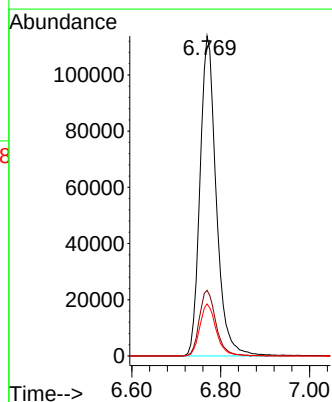
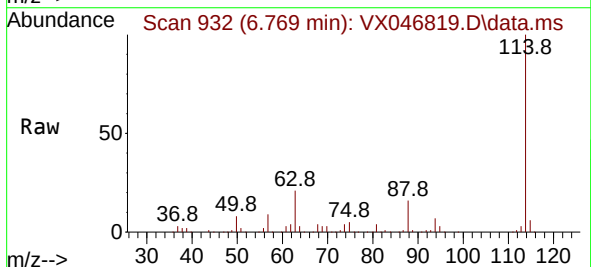
Instrument :
 MSVOA_X
 ClientSampleId :
 RPXY42025

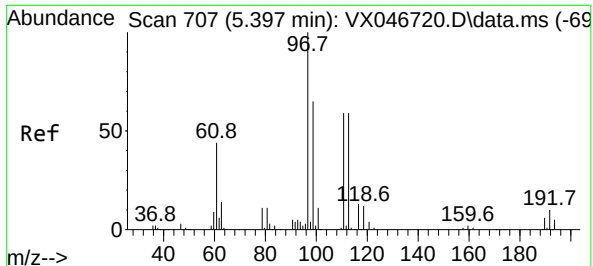
Tgt Ion: 65 Resp: 111095
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX046819.D
 Acq: 23 Jun 2025 14:50

Tgt Ion: 114 Resp: 289861
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 44.2
 88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.327 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046819.D

Acq: 23 Jun 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

RPXY42025

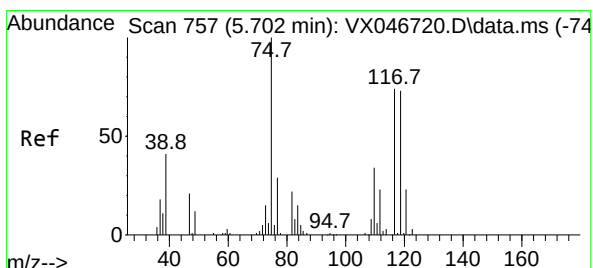
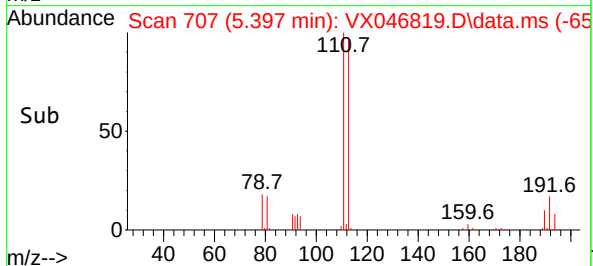
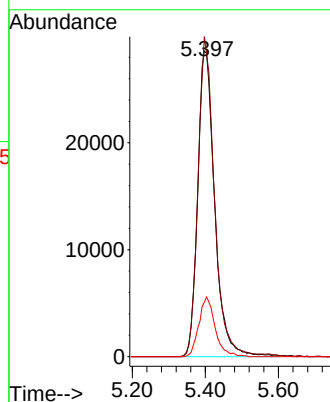
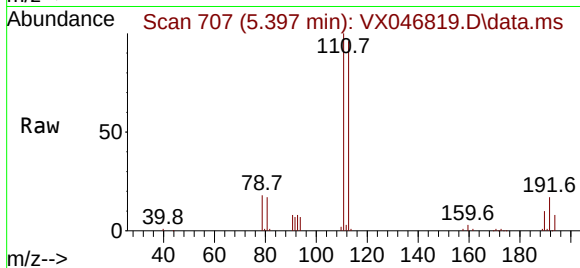
Tgt Ion:113 Resp: 92683

Ion Ratio Lower Upper

113 100

111 100.8 82.0 123.0

192 18.6 15.3 22.9



#36

1,1-Dichloropropene

Concen: 4.609 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX046819.D

Acq: 23 Jun 2025 14:50

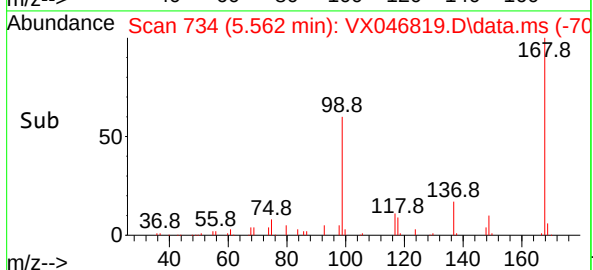
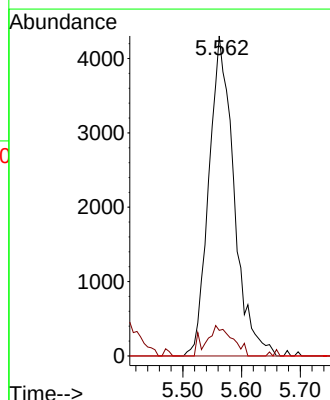
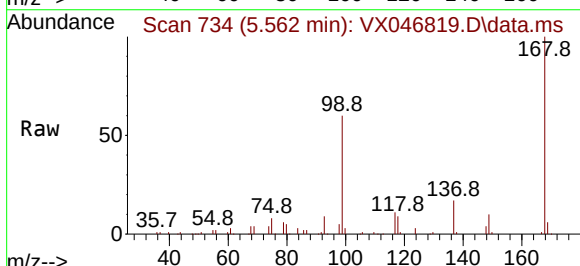
Tgt Ion: 75 Resp: 12760

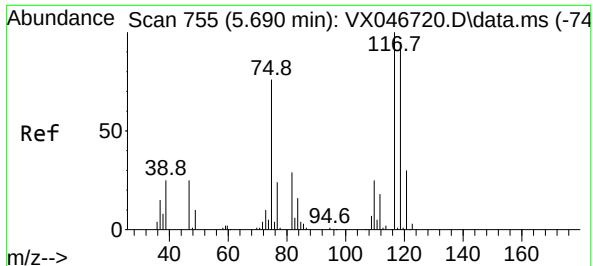
Ion Ratio Lower Upper

75 100

110 8.6 17.2 51.5#

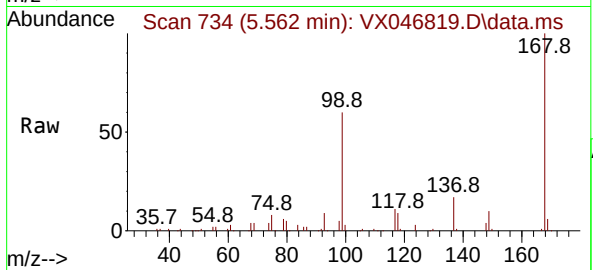
77 0.0 24.2 36.4#



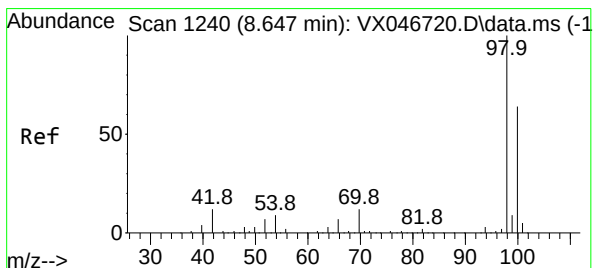
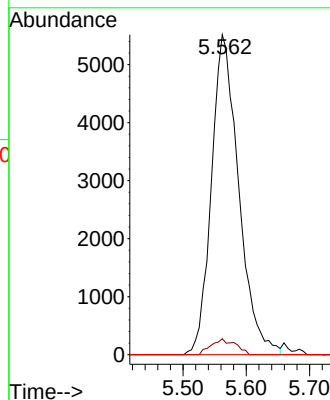
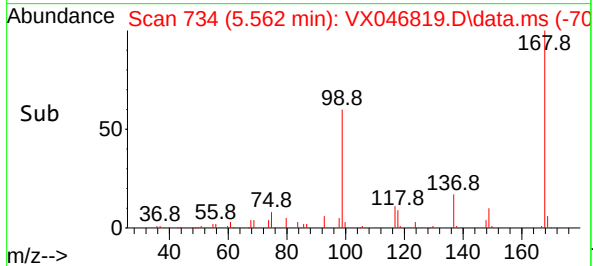


#38
Carbon Tetrachloride
Concen: 5.498 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

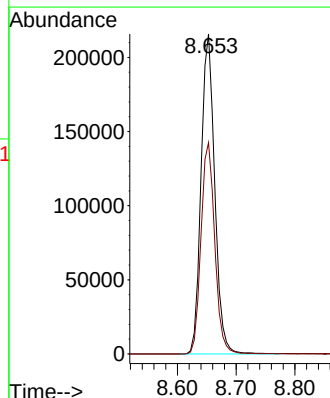
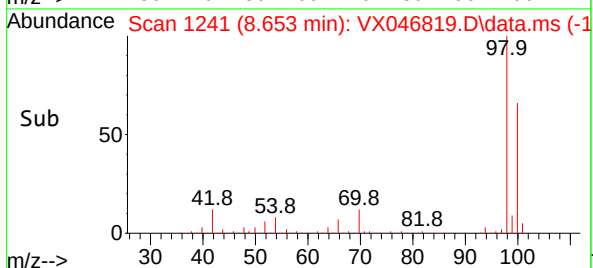
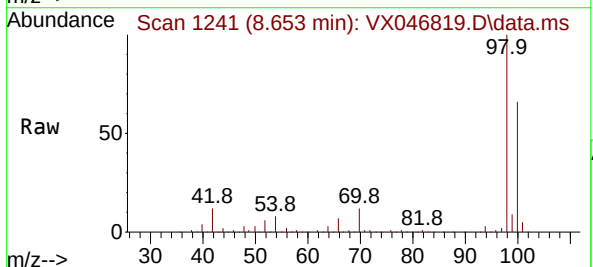


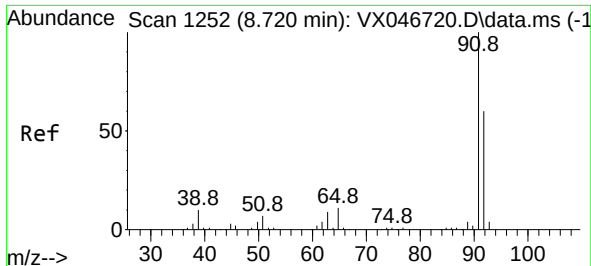
Tgt Ion:117 Resp: 16519
Ion Ratio Lower Upper
117 100
119 5.0 75.2 112.8#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 50.395 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion: 98 Resp: 347237
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4

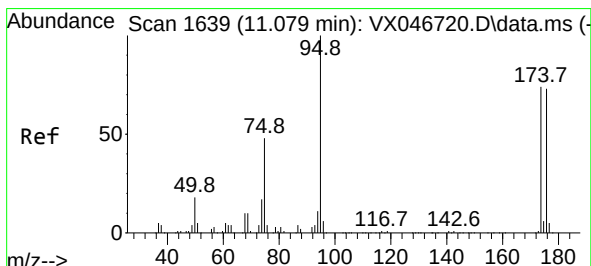
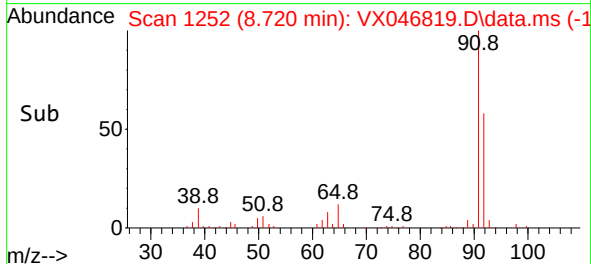
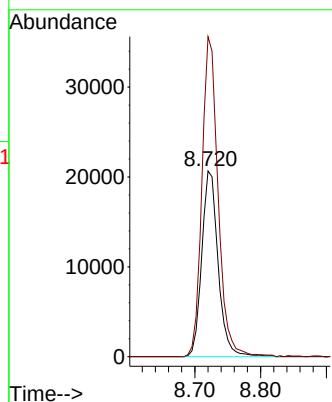
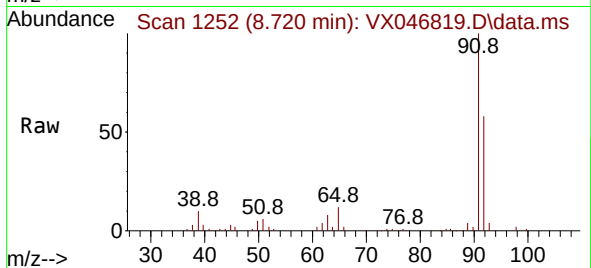




#52
Toluene
Concen: 7.052 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

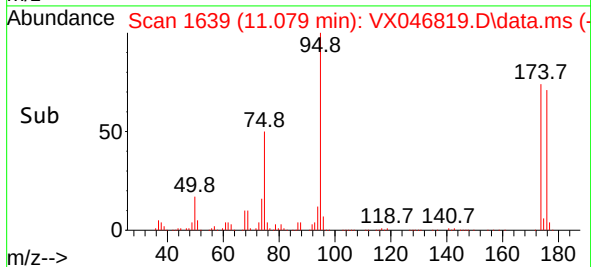
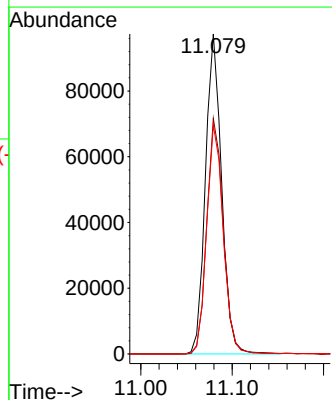
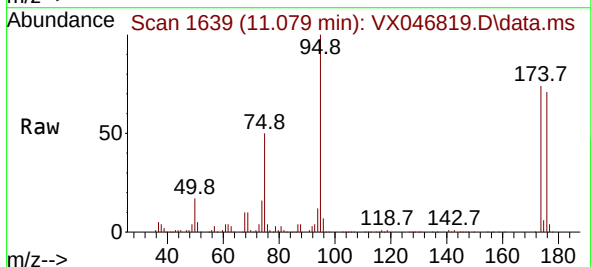
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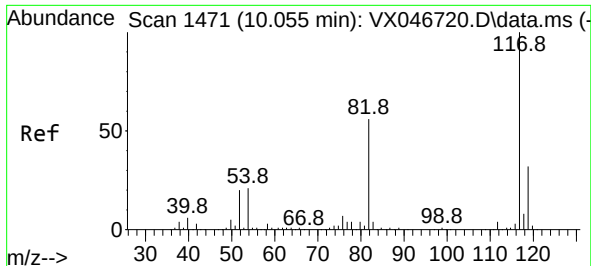
Tgt Ion: 92 Resp: 35818
Ion Ratio Lower Upper
92 100
91 170.5 134.8 202.2



#62
4-Bromofluorobenzene
Concen: 46.557 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion: 95 Resp: 119578
Ion Ratio Lower Upper
95 100
174 75.3 0.0 150.4
176 73.2 0.0 145.0

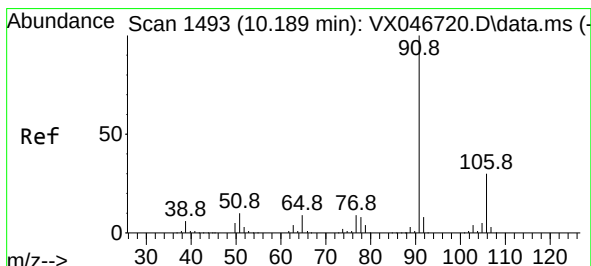
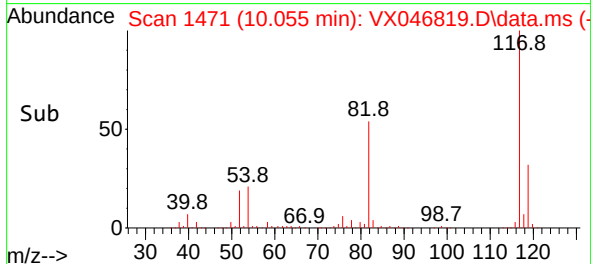
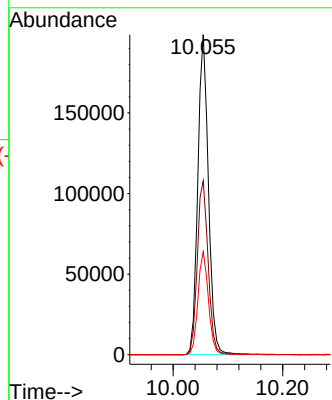
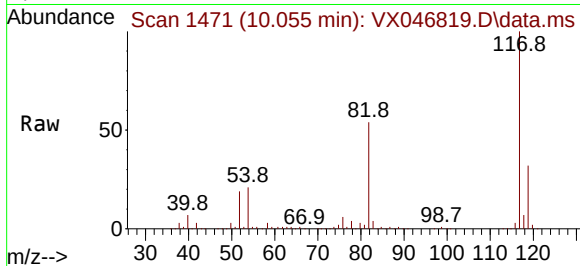




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

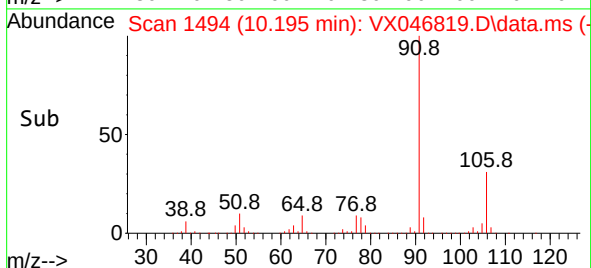
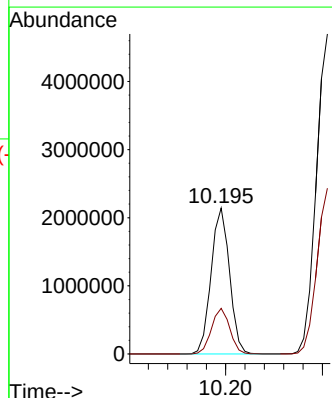
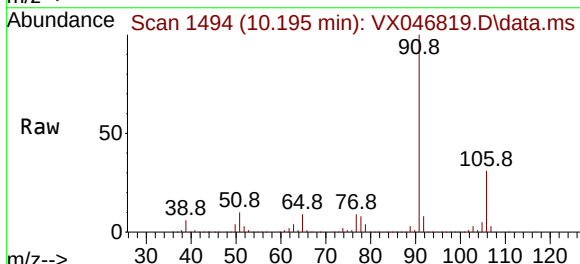
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

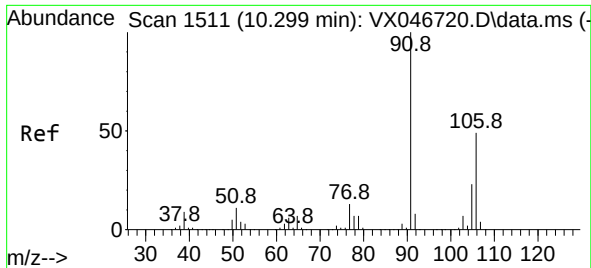
Tgt Ion:117 Resp: 268205
Ion Ratio Lower Upper
117 100
82 54.3 44.6 66.8
119 32.2 25.8 38.8



#67
Ethyl Benzene
Concen: 274.306 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion: 91 Resp: 2837603
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.2

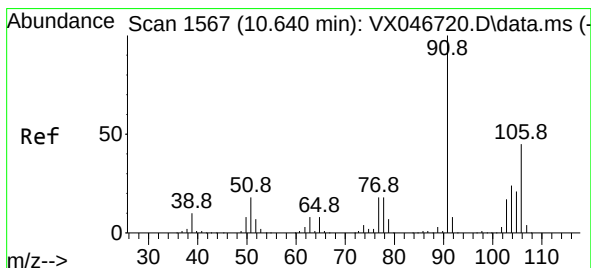
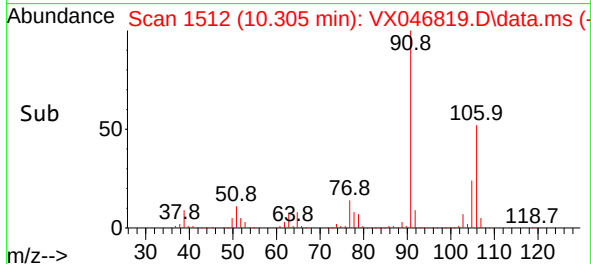
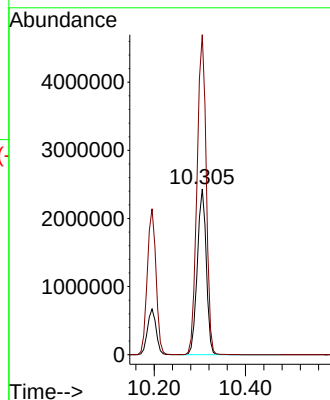
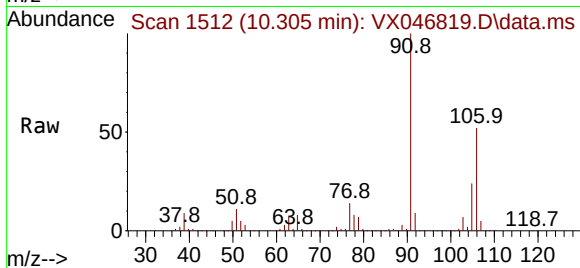




#68
m/p-Xylenes
Concen: 859.479 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

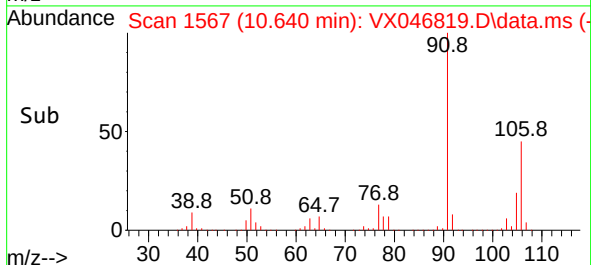
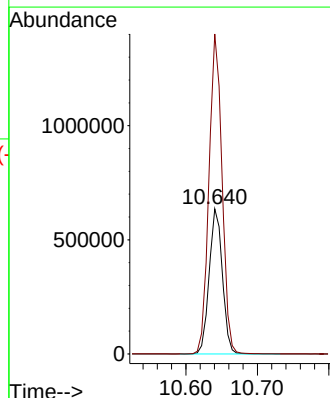
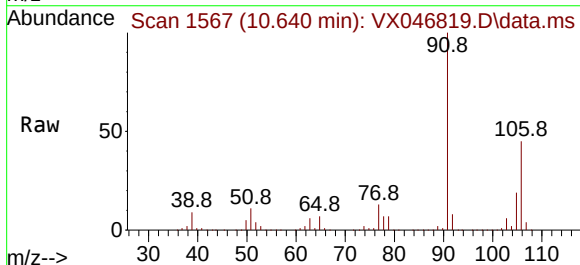
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

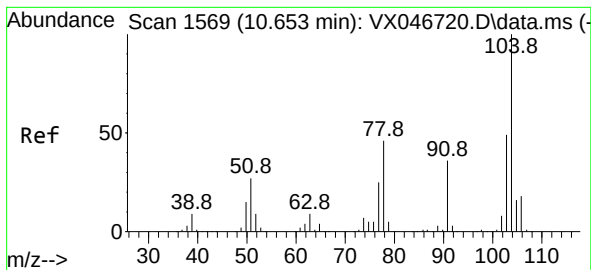
Tgt Ion:106 Resp: 3312872
Ion Ratio Lower Upper
106 100
91 198.5 164.8 247.2



#69
o-Xylene
Concen: 225.698 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion:106 Resp: 815299
Ion Ratio Lower Upper
106 100
91 218.6 111.3 333.9





#70

Styrene

Concen: 6.260 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.012 min

Lab File: VX046819.D

Acq: 23 Jun 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

RPXY42025

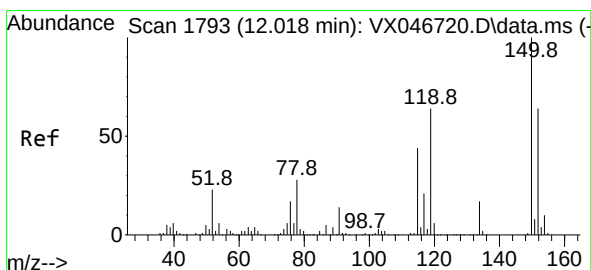
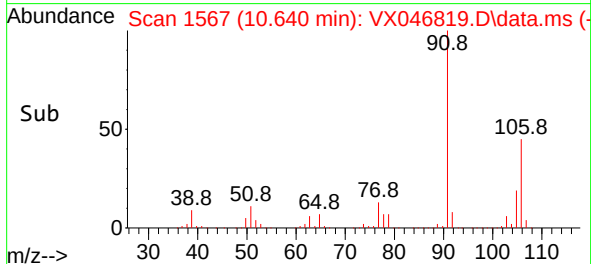
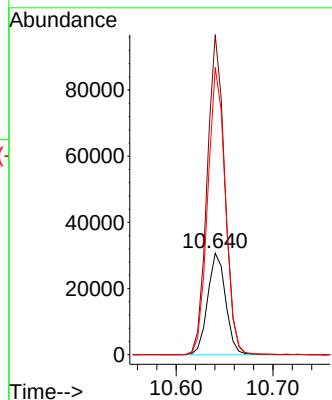
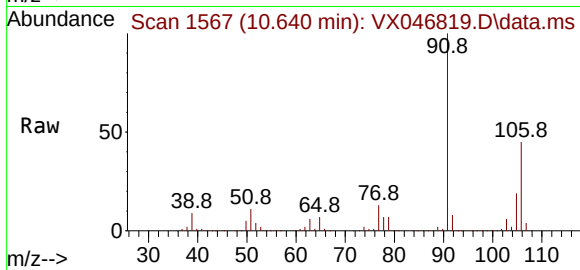
Tgt Ion:104 Resp: 39574

Ion Ratio Lower Upper

104 100

78 309.4 41.4 62.2#

103 278.6 43.1 64.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046819.D

Acq: 23 Jun 2025 14:50

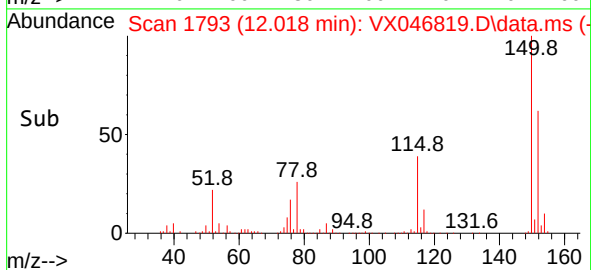
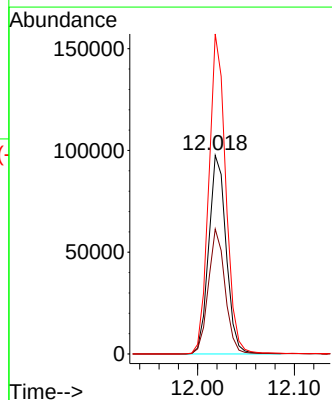
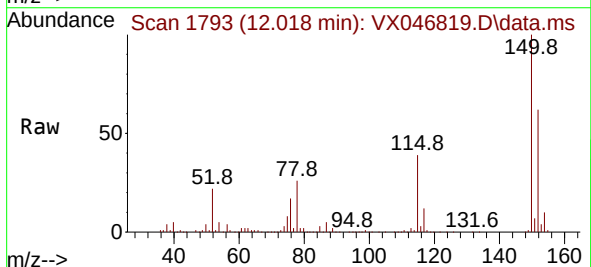
Tgt Ion:152 Resp: 122450

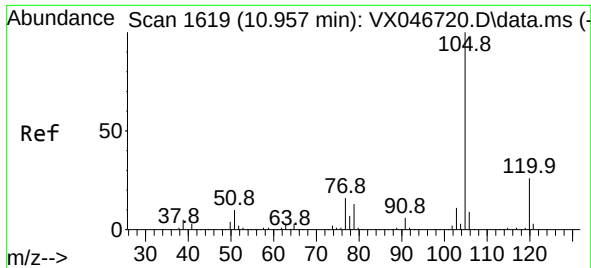
Ion Ratio Lower Upper

152 100

115 60.8 43.2 129.6

150 157.4 0.0 346.8

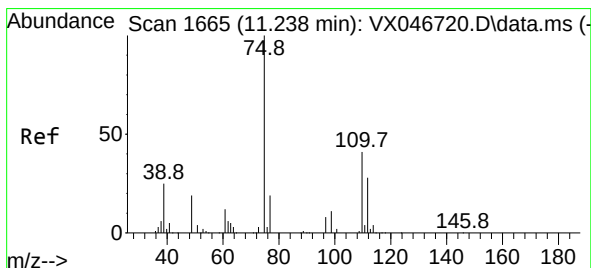
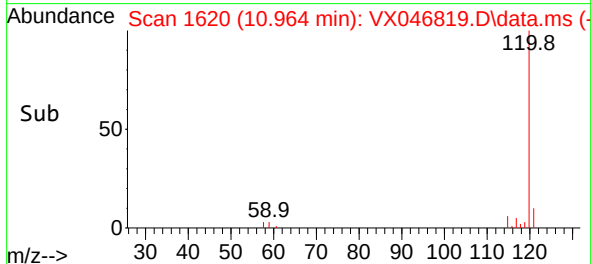
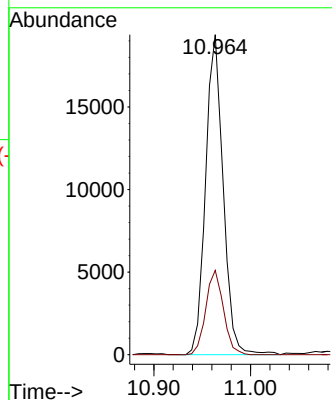
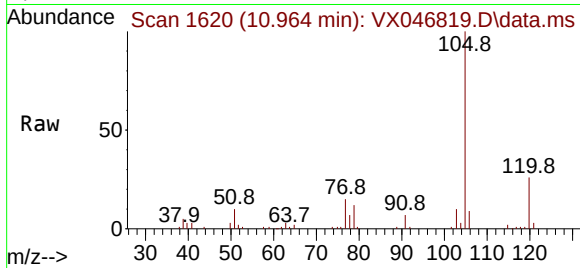




#73
Isopropylbenzene
Concen: 2.718 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

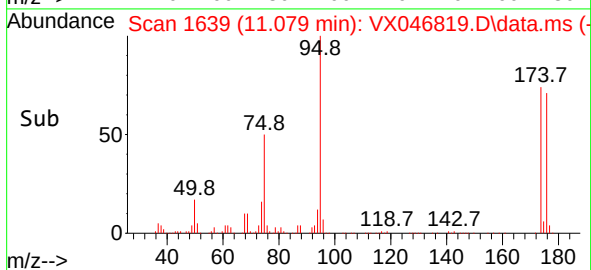
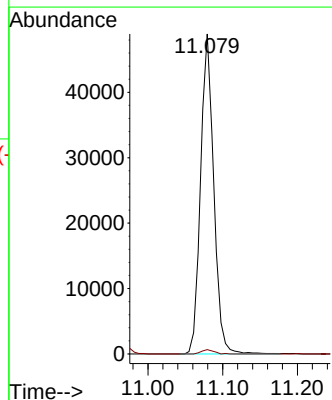
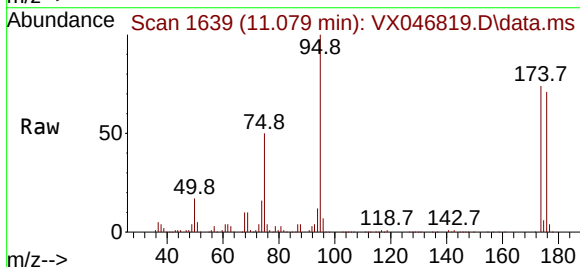
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

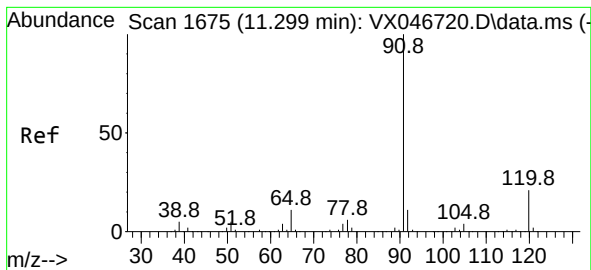
Tgt Ion:105 Resp: 24508
Ion Ratio Lower Upper
105 100
120 26.4 13.0 39.0



#76
1,2,3-Trichloropropane
Concen: 26.694 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion: 75 Resp: 59866
Ion Ratio Lower Upper
75 100
77 1.3 18.5 55.5#





#78

n-propylbenzene

Concen: 0.235 ug/l

RT: 11.311 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX046819.D

Acq: 23 Jun 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

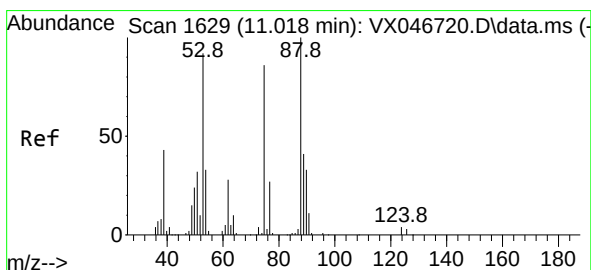
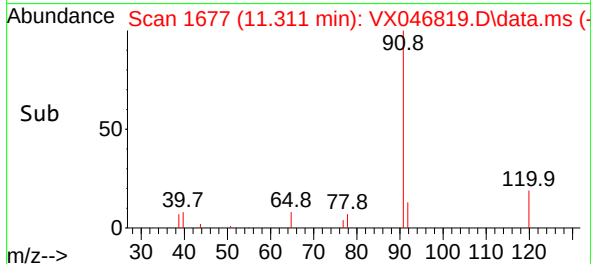
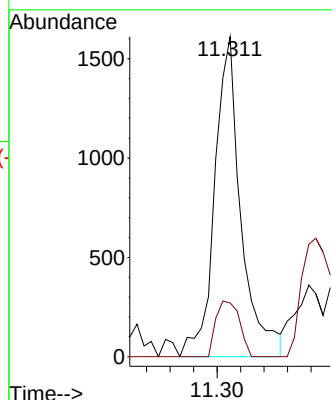
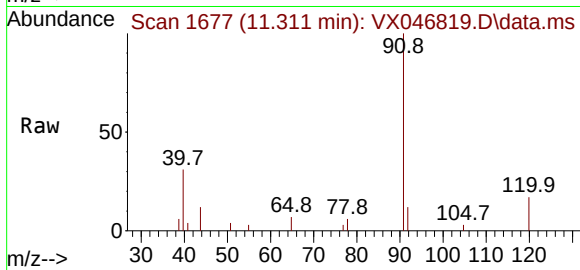
RPXY42025

Tgt Ion: 91 Resp: 2512

Ion Ratio Lower Upper

91 100

120 15.5 11.4 34.1



#81

trans-1,4-Dichloro-2-butene

Concen: 75.452 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046819.D

Acq: 23 Jun 2025 14:50

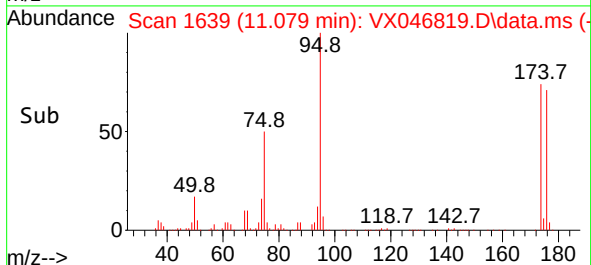
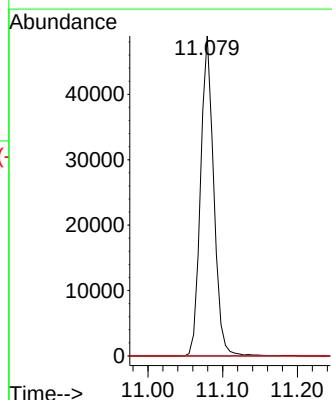
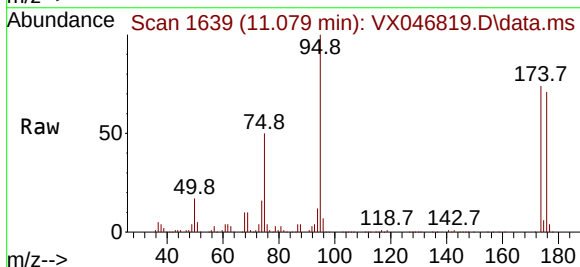
Tgt Ion: 75 Resp: 59866

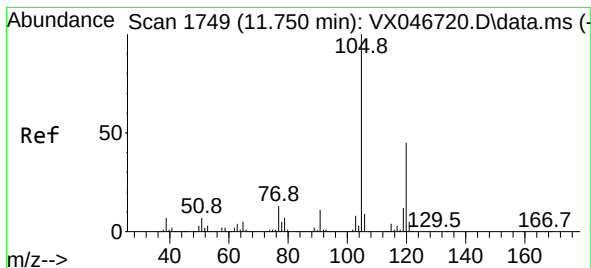
Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.324 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046819.D

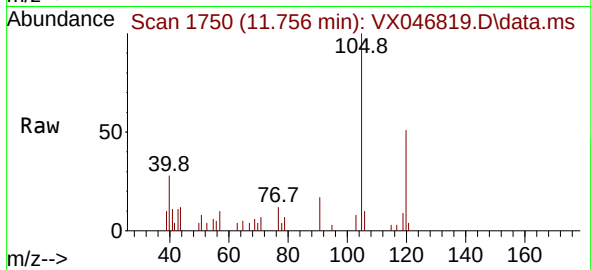
Acq: 23 Jun 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

RPXY42025



Tgt Ion:105 Resp: 2416

Ion Ratio Lower Upper

105 100

120 43.8 22.1 66.3

